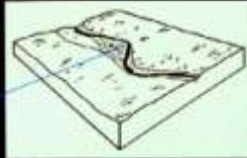


Flood Plain Process Group

FLOOD PLAIN PROCESS GROUP



Associated Landforms: Flood Plains (53), Gently Sloping Lowlands (61). Flat lowlands (62)

FPO - Micro Flood Plain Channel

A very narrow, low gradient, forested valley bottom channel usually situated in the riparian zone of larger Flood Plain channels. The FPO may connect small scale footslope or palustrine channels to the main valley bottom stream. The minute size of this channel renders it undetectable on resource aerial photography.

Incision Depth: < 2 m

Bankfull Width: approximately 0.3 to 1.5m

Bankfull Depth: approximately 0.5m or less

Width/Depth Ratio: 8

Dominant Substrate: Silt to coarse gravel.

Stream Bank Composition: Sand to coarse gravel.

Sideslope Length/Angle: not significant

Associated Landform: 53, 61, 62

Riparian Vegetation: Overstory = S.Spruce, W.Hemlock; Understory = Blueberry, Devil's Club.

FPS - Narrow Low Gradient Flood Plain Channel (former -FP3)

A low gradient, shallowly incised, forested lowland channel.

Incision Depth: ≤ 2 m (6.6 ft)

Bankfull Width: 1.5 to 10 m (5-33 ft)

Dominant Substrate: Silt to coarse gravel

Stream Bank Composition: Sand to coarse gravel

Sideslope Length/Angle: Not significant

Associated landforms: 53, 61, 62

Plant Association: S.Spruce, W. Hemlock, Mixed Conifer

Phases: FPSa, FPSf, FPSw, FPSs

Similar Channel Types:

MMS or MMM: gradient 2-6%

FPM: 10-20 m (33-66 ft) wide

MCS: gradient 2-6%, bedrock control

AFM: gradient variable, 52 landform

Stream Gradient:

< 2 %

Sediment Function:

Storage

Stream Class:

I or II, salmonid rearing and spawning habitat

Flood Plain Process Group



FPM-Moderate Width Low Gradient Floodplain Channel (former –FP4)

A low gradient, sinuous, multiple channel flood plain stream. Bar deposits and overflow channelways are frequent.

Incision Depth: ≤ 2 m (6.6 ft)

Bankfull Width: 10-20 m (33-66 ft)

Dominant Substrate: Sand to cobble

Stream Bank Composition: Alluvium

Sideslope Length/Angle: Not significant

Associated Landforms: 53, 40s, 60s

Plant Association: Sitka Spruce/Blueberry, Western Hemlock/Blueberry

Phases: FPMa, FPMf, FPMI, FPMw, FPMs

Similar Channel Types:

FPS: <10 m wide

FPL: > 20m width



FPL - Wide Low Gradient Flood Plain Channel (former - FP5)

A wide forested, low gradient, shallowly incised, flood plain channel with overflow channels and bars present.

Incision Depth: ≤ 2 m (6.6 ft)

Bankfull Width: >20 m (66 ft)

Dominant Substrate: Sand to cobble

Stream Bank Composition: Alluvium

Sideslope Length/Angle: Not significant

Associated Landform: 53

Plant Association: Sitka Spruce/Blueberry, Western Hemlock/Blueberry

Phases: FPLb, FPLf, FPLI, FPLw, FPLs

Similar Channel Types:

FPM: Bankfull width 10-20 m (33-66 ft)

LCM: bedrock controlled

ESL: Estuary location (71 landform), saltwater tolerant vegetation